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## PROGRAMMING AS A TOOL FOR CREATING USEFUL SOCIAL APPS

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Now there is a rapid development of the information industry. Many companies including government agencies are moving to electronic document management. They implement the latest technologies and devices which need powerful software and hardware systems.

Now most people between the ages of sixteen and fifty years are actively using a variety of smart devices. The technique allows users to shift routine tasks to the machine and optimize the execution of different processes.

One of the services which facilitate human interaction with state and municipal institutions is Internet-portal "Gosyslygi". This portal allows each person (which is registered on portal) to make an appointment to GAI, to doctor, to multifunctional center and etc.

In addition, one of the innovators in the development and implementation of social-useful applications is IT-company "Yandex». This company has developed a huge variety of services in order to facilitate the process of finding information and optimizing routine operations.

Now "Yandex" is actively developing several services which can be useful to a wide range of users (for example, "Yandex.Taxi"). This software package allows users to optimize the waiting time of customers and drivers downtime. Different algorithms are used to serve this purpose.

One of the most significant social-useful applications of our city is the "Pribyvalka-63» which is designed to predict the arrival of public transports.

Currently, the market of unmanned aerial vehicles (drones) is actively developing. Drones are already used in many industries (for example, in farming sector).

Optimization of business processes is the most advantageous in terms of using social-useful applications. The consequence of this advantage is a significant reduction in the time of production and in the use human resources; this will allow business leaders to reallocate the budget of the organization directing it to increase the efficiency of the enterprise.

In Samara, there are two applications for monitoring public transport – "Pribyvalka" and "Yandex.Transport". They're not informative enough for me. For example, both apps do not track off-route vehicles. Also, these applications do not display the transport correctly which goes on a reduced route or go to the park.

In my opinion, the designated problems should be solved as soon as possible.

In my free time I develop my own server which should embody all the advantages of existing applications and also solve the most urgent problems.

The novelty of my development lies in the greater functionality of the client application and also in the original approach to the issue of forecasting the commuting of vehicles.

To sum it up, now the information sphere is developing at high speed. Software systems are used in almost all possible industries. Programming is one of the main tools of improving the efficiency of your business, the effectiveness of each person.

### References

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